



Oklahoma Tinker AFB

Facility and Location

Tinker Air Force Base (AFB), home of the Oklahoma City Air Logistics Center (OC-ALC), is located five miles east of downtown Oklahoma City. The base is a heavily industrialized and urbanized. Tinker AFB includes two active runways and 254 acres of ramp space. Historic Building 3001, headquarters of OC-ALC, covers 62 acres and stretches nearly a mile. Within its walls, workers perform maintenance on aircraft, engines, components, and accessories, as well as a multitude of necessary administrative tasks.

Media Sampled and Findings

Drinking Water — In 2007, one sample detected perchlorate at 0.46 ppb.

Groundwater — In 2009, 4 of 24 samples detected perchlorate from 0.24 to 0.84 ppb. In 2007, nine of nine samples detected perchlorate from 0.29 to 0.88 ppb. Prior to 2007, 12 of 12 samples detected perchlorate from 0.33 to 5.8 ppb.

Sediment — In 2010, seven samples reported no detection

Soil — In 2009, 46 samples reported no detection. Prior to 2007, 7 of 133 samples detected perchlorate from 11 to 5,580 ppb. The high detection was taken in March 2003 in a soil boring near the southeast corner of Building 230 collected at a depth of 4-5 feet below ground surface.

Surface Water — In 2009, three samples reported no detection.

Appropriate Actions

In 2009, water, soil, and sediment samples were collected for perchlorate analysis as part of a base wide perchlorate investigation following new DoD guidance regarding testing methods issued in 2007. These samples were below detection levels using the current EPA Method. State regulators have been consulted and concur the results are not of concern. All water samples were below the EPA and DoD Preliminary Remediation Goal of 15 ppb and all soil samples were below the 55,000 ppb residential and 720,000 ppb industrial soil screening levels recommended by EPA Region VI.